(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization International Bureau





(43) International Publication Date 28 June 2001 (28.06.2001)

PCT

(10) International Publication Number WO 01/45843 A2

(51) International Patent Classification7:

(21) International Application Number: PCT/US00/34535

(22) International Filing Date:

20 December 2000 (20.12.2000)

(25) Filing Language:

English

B01L 3/00

(26) Publication Language:

English

(30) Priority Data: 60/171,510

22 December 1999 (22.12.1999) U

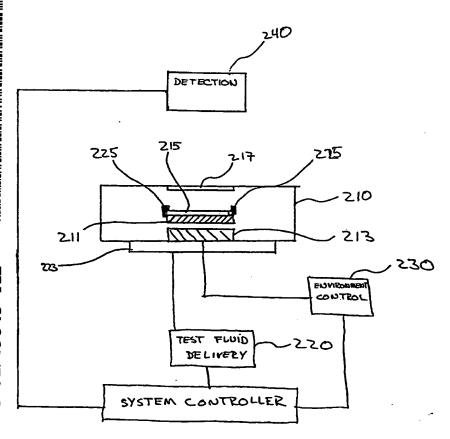
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- (81) Designated States (national): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW.
- (84) Designated States (regional): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW), Eurasian

[Continued on next page]

(54) Title: FLOW-THRU CHIP CARTRIDGE, CHIP HOLDER, SYSTEM AND METHOD THEREOF



(57) Abstract: Α system performing hybridization assays comprises a cartridge for housing a flow through device, where the cartridge includes a test fluid chamber for facilitating a substantially uniform floe of a test fluid mixture through the flow through device, and a fluidics station to deliver the test fluid mixture to the cartridge. The cartridge has a chip holder that holds the flows-through device, which has an array of microchannel passages. The chip holder has a support for placement of the flow though device, the test fluid chamber for directing a substantially uniform flow through device, and a first port that receives the test fluid mixture. The cartridge has a sealing system for preventing the leakage of the test fluid around the flow through device. The test fluid chamber is defined in part by a spade-like surface having an inlet for the test fluid mixture.

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patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

Published:

 Without international search report and to be republished upon receipt of that report.

INTERNATIONAL SEARCH REPORT

Intern pplication No PCT/US 00/34535

a. CLASSIFICATION OF SUBJECT MATTER IPC 7 B01L3/00 //B01J19/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols) I PC $\,\,7\,$ B01L B01J

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ

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X	US 5 262 128 A (BROWNSTEIN MICHAEL J ET AL) 16 November 1993 (1993-11-16)	1-3,7,8, 29-32, 36,51,52
Y	column 1, line 10 -column 1, line 20 column 3, line 52 -column 3, line 62 column 4, line 6 -column 5, line 24 column 5, line 37 -column 6, line 14 figures 1,2 -/	40,44,48

Further documents are listed in the continuation of box C.	Palent family members are listed in annex.			
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Date of the actual completion of the international search 22 October 2001	Date of mailing of the international search report 29/10/2001			
Name and maiting address of the ISA European Patent Office, P.B. 5818 Patentlaan 2 NL - 2280 HV Rijswijk Tel. (+31-70) 340-2040, Tx. 31 651 epo nl, Fax: (+31-70) 340-3016	Authorized officer Koch, A			

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Interr plication No PCT/US 00/34535

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